

MAGNETIC HEAD HAVING SELF-PINNED CPP SENSOR WITH MULTILAYER PINNED LAYER

ABSTRACT

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A magnetic head has a read sensor including a free layer, a spacer layer and a number of self-pinned layers. These self-pinned layers include interleaved layers of ferromagnetic material and non-magnetic metal. The self-pinned layers are pinned through magnetostrictive anisotropy, and preferably have a net magnetic moment which

10 is approximately zero.